Index of Claims

| Аp | plica | tio | n/Co | ntro | ΙÑο. |
|----|-------|-----|------|------|------|
|    |       |     |      |      |      |

10/719,672

MENARD ET AL.

Applicant(s)/Patent under Reexamination

Examiner

Art Unit

Stella L. Woo

2643

√ Rejected
= Allowed

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| Z | Non-Elected  |
|---|--------------|
| _ | Interference |

| Α | Appeal   |
|---|----------|
| o | Objected |

| Claim Date |          |          |                 | Cla | Claim D      |  |              |          |           | ate |   |             |          | Claim  |            | Date         |                 |          |  |                         |            |       |            |                    |                    |         |              |  |                     |               |          |
|------------|----------|----------|-----------------|-----|--------------|--|--------------|----------|-----------|-----|---|-------------|----------|--|------------|--------------|-----------------|----------|--|-------------------------|------------|-------|------------|--------------------|--------------------|---------|--------------|--|---------------------|---------------|----------|
| Final      | Original | 7/29/05  |                 |     |              |  |              |          |           |     |   | Final       | Original |  |            |              |                 |          |  |                         |            | Final | Original   |                    |                    |         |              |  |                     |               |          |
| -          |          | _        |                 |     | $\vdash$     |  |              | T        | t         |     |   |             | 51       | $\vdash$   | 十          | 1            |                 | 1        | -  | +                       |            |       | 101        | $\dashv$           | $\dashv$           | $\pm$   | +            |  | $\vdash$            | $\dashv$      | $\dashv$ |
|            | 2        | √        |                 |     | П            |  |              |          |           | _   | 1 |             | 52       |  |            |              | П               | $\top$   |  | 1                       |            |       | 102        |                    |                    |         | _            |  | П                   | $\top$        | ┪        |
|            | 3        | 1        |                 |     |              |  |              |          |           |     |   |             | 53       |  |            |              |                 |          |  |                         |            |       | 103        |                    |                    |         | Ť            |  | П                   |               | $\neg$   |
|            | 4        |          |                 |     |              |  |              |          |           |     |   |             | 54       |  |            |              |                 |          |  |                         |            |       | 104        |                    |                    |         |              |  |                     | $\Box$        |          |
|            | 5        | Ш        |                 |     |              |  |              |          |           |     |   |             | 55       |  | $\perp$    |              |                 |          |  |                         |            |       | 105        |                    |                    |         |              |  |                     | $\Box$        |          |
|            | 6        | IJ.      |                 |     |              |  |              |          |           |     |   |             | 56       |  | $\perp$    |              |                 |          |  |                         |            |       | 106        |                    |                    | $\perp$ |              |  |                     |               | ╝        |
|            | 7        | 1        | _               |     | <u> </u>     | L.   | <u> </u>     | <u> </u> |           |     |   | L           | 57       |  | 4          | <u> </u>     |                 | 4        |  | ┷                       |            |       | 107        |                    | _                  |         | $\perp$      | _  | Ш                   | $\dashv$      | 4        |
|            | 8        | 4        | _               | _   | <u> </u>     | <b> </b>   | <u> </u>     | <u> </u> | $\perp$   |     |   | <u> </u>    | 58       | <u> </u>   | 4          | 1_           |                 | _        | _  | _                       |            |       | 108        |                    | 4                  | _       | $\bot$       | ┖  | Ш                   | 4             | _        |
| -          | 9        | 1        | <u> </u>        |     |              | _  | ļ.,          | ╀        | -         | _   |   | <u> </u>    | 59       | $\vdash$   | +          |              | $\sqcup$        | 4        |  | +                       |            |       | 109        | -                  | +                  | +       | +            | <b> </b>   | -                   | 4             | _        |
|            | 10       | ₩        | Н               |     | -            | <del> </del>                                     | -            | ╀        | +         |     |   |             | 60       | $\vdash$   |            | -            |                 |          |  |                         | -          | -     | 110        | _                  | +                  | - -     |              | <u> </u>   | $\vdash \vdash$     | $\dashv$      | 4        |
|            | 11       | ╫        | Н               |     | -            | -  | -            | ╁        |           |     |   |             | 61       |  | ╬          | ╁            |                 | +        | +  | +                       | -          |       | 111        |                    | +                  | +       | +            | ├  |                     | $\dashv$      | -        |
| <u> </u>   | 12       | ╫        | $\vdash$        |     | -            | $\vdash$   | ├            | +-       | +         |     |   | <u> </u>    | 62<br>63 | -  | +          | +            | $\vdash \vdash$ | +        | +  | +                       | -          |       | 112        | $\dashv$           | +                  | +       | +            | ⊢  | $\vdash \vdash$     | $\dashv$      | $\dashv$ |
| <u> </u>   | 14       | H        | $\vdash \vdash$ | _   | $\vdash$     | $\vdash$   | -            | $\vdash$ | +         |     |   | <del></del> | 64       | $\vdash \vdash$                                  | +          | +            | $\vdash$        | +        | +  | +                       |            | -     | 113<br>114 | -                  | +                  | +       | +            | $\vdash$   | $\vdash$            | $\dashv$      | $\dashv$ |
| $\vdash$   | 15       | ╫╴       | $\vdash$        |     | ┢            | <del>                                     </del> | -            | $\vdash$ | +         | -   |   | <b>-</b>    | 65       | $\vdash \vdash$                                  | +          | +            | H               | -        | +  | +                       | 1          |       | 115        | $\dashv$           | +                  | +       | +            | $\vdash$   | ⊢                   | $\dashv$      | $\dashv$ |
|            | 16       | #        | H               | _   | <del> </del> | <del> </del>                                     |              | $\vdash$ | +         |     |   |             | 66       | $\vdash \vdash$                                  | +          | +            | $\vdash$        | +        | $\dashv$   | +                       |            |       | 116        | +                  | _                  | +       | +            | $\vdash$   | Н                   | $\dashv$      | $\dashv$ |
|            | 17       | H        | $\vdash$        | _   | $\vdash$     | <del> </del>                                     |              | T        | +         |     |   |             | 67       | $\vdash$   | +          | +            | $\vdash$        | $\dashv$ | +  | +                       | 1          |       | 117        | $\dashv$           | 十                  | +       | +            | 1  | ╁┼                  | $\dashv$      | $\dashv$ |
|            | 18       | 1        | $\vdash$        |     | Т            | $\vdash$   | Т            | r        | +         |     |   |             | 68       | +  | +          | T            | $\vdash$        | $\dashv$ | +  | +                       | 1          |       | 118        | $\dashv$           | +                  | +       | +            | $\vdash$   | $\vdash$            | +             | $\dashv$ |
|            | 19       | 1        |                 |     |              |  | _            | $\vdash$ | +         |     |   |             | 69       |  | ╅          | T            | H               | +        | $\top$   | +                       |            |       | 119        | $\dashv$           | $\top$             | +       | +-           | $\vdash$   | $\vdash$            | 十             |          |
|            | 20       |          |                 |     |              |  |              |          | $\dagger$ |     |   |             | 70       |  | <b>†</b> " | †            |                 | $\neg$   | 一  | 1                       | 1          |       | 120        |                    | 十                  | 十       | T            | $t^-$  |                     | $\neg$        |          |
|            | 21       | П        | П               |     |              |  | Г            |          |           |     |   |             | 71       |  |            | T            | П               | T        | ┪  | $\top$                  |            |       | 121        | 寸                  | ┰                  | 十       | $\top$       | 1  | Ħ                   | 寸             | $\neg$   |
|            | 22       |          |                 |     |              |  |              |          |           |     |   |             | 72       |  |            |              |                 | $\neg$   | $\top$   |                         |            |       | 122        | $\neg$             | $\top$             | $\top$  | $\top$       |  | $\Box$              | 寸             |          |
|            | 23       | Ш        |                 |     |              |  |              |          |           |     |   |             | 73       |  |            |              |                 |          |  |                         |            |       | 123        |                    | $\Box$             |         |              |  |                     |               |          |
| <u></u>    | 24       | Ц        |                 |     |              |  |              |          |           |     |   |             | 74       |  |            |              |                 |          |  |                         |            |       | 124        |                    | T                  |         |              |  |                     |               |          |
| <u></u>    | 25       | Ш        |                 |     |              | L  | _            | L        | $\perp$   |     |   |             | 75       |  | $\perp$    |              |                 |          |  |                         |            |       | 125        |                    | $\perp$            |         | $\perp$      |  |                     |               |          |
| <u></u>    | 26       | Ш        |                 |     |              | <u> </u>   | _            | <u> </u> | $\perp$   | -   |   |             | 76       | oxdot  |            | _            | Ш               | $\perp$  | _  | 1                       | ļ <u>,</u> |       | 126        |                    | $\perp$            | $\perp$ | $\perp$      |  |                     |               |          |
| <u></u>    | 27       | Ш        |                 |     |              | <u> </u>   | <u> </u>     | ┡        | $\perp$   |     |   | _           | 77       | $oxed{oxed}$                                     | $\bot$     | <u> </u>     |                 | _        | _  | 4                       |            |       | 127        | $\perp$            | $\bot$             | $\perp$ | ╀            | _  |                     | $\perp$       | _        |
| <u> </u>   | 28       | Щ        | Н               |     |              | _  | <u> </u>     | ļ        | $\perp$   |     |   |             | 78       | $\vdash$   | 4          | ــــ         | Ш               | $\perp$  | $\bot$   | 4                       |            |       | 128        | _                  | 4                  | ┵       | ↓_           | <u> </u>   | $\sqcup$            | _             | _        |
| <u> </u>   | 29       | H        |                 |     | -            | ├—   | <u> </u>     | ├-       | +         |     |   |             | 79       | -  | +          | ┼            | Н               | -        |  | +-                      |            |       | 129        | _                  | -                  | _       | -            | ऻ_   | $\sqcup$            | $\dashv$      | 4        |
|            | 30       | ╂        | Н               |     | -            | -  | -            | ⊢        | +         |     |   |             | 80       |  |            | -            | $\vdash$        | -        |  | 4                       |            |       | 130        |                    | +                  |         | <b>-</b>     | <u> </u>   | $\vdash$            | $\dashv$      |          |
|            | 31       | H        | $\vdash$        | _   | $\vdash$     | $\vdash$   | $\vdash$     | $\vdash$ | +         |     |   |             | 81<br>82 |  | +-         | +            | H               |          | +  | +                       | ł          |       | 131<br>132 | $\dashv$           | +                  | +       | +            | $\vdash$   | $\vdash \vdash$     | $\dashv$      | $\dashv$ |
|            | 33       | H        | H               |     | -            |  | $\vdash$     | $\vdash$ | +         |     |   |             | 83       | <del>                                     </del> | +-         | +            | $\vdash$        | +        | +  | +-                      | 1::::      |       | 133        | $\dashv$           | +                  | +-      | +-           | ╁  | $\vdash$            | $\dashv$      | $\dashv$ |
| <u> </u>   | 34       | H        | $\vdash$        | -   | $\vdash$     | $\vdash$   | <del> </del> | $\vdash$ | $\vdash$  |     |   |             | 84       |  | +          | $\vdash$     | $\vdash \vdash$ | $\dashv$ | +  | +                       | 1          |       | 134        | $\dashv$           | +                  | +       | +            | ⊢  | $\vdash$            | $\dashv$      | $\dashv$ |
| <b>}</b>   | 35       | H        | $\vdash$        | _   | H            | $\vdash$   | $\vdash$     | $\vdash$ | +         | _   |   |             | 85       | $\vdash$   | +          | +            | $\vdash$        | +        | +  | +                       | 1 1        |       | 135        | -+                 | +                  | +       | +            | $\vdash$   | $\vdash$            | +             | $\dashv$ |
|            | 36       | #        |                 |     |              |  | $\vdash$     | 1        | $\top$    |     |   |             | 86       | - -  | +          | t            |                 | +        | +  | $\top$                  |            |       | 136        | $\dashv$           | +                  | +       | +            | $\vdash$   | $\vdash$            | $\overline{}$ | $\dashv$ |
|            | 37       | 1        |                 |     |              | <u> </u>   | Ι-           | H        | $\Box$    | _   |   |             | 87       |  | $\top$     | T            | H               | $\dashv$ | $\top$   | +                       | 1          |       | 137        | $\dashv$           | +                  | +       | +-           | 一  | $\vdash$            | $\dashv$      | $\dashv$ |
|            | 38       |          |                 |     |              | T  |              |          |           |     |   |             | 88       |  | $\top$     | T            | П               | $\top$   | $\top$   | 1                       | 1 1        |       | 138        | 十                  | +                  | $\top$  | +            | <del>                                     </del> | H                   | $\dashv$      | $\dashv$ |
|            | 39       | 1        |                 |     |              |  |              |          |           |     |   |             | 89       |  | $\top$     | 1            |                 |          | 7  | 1                       | 1          |       | 139        | 十                  | $\top$             | $\top$  | $\top$       | T  | $\sqcap$            | $\neg$        | $\neg$   |
|            | 40       | ✓        |                 |     |              |  |              |          |           |     |   |             | 90       |  |            | Τ            |                 |          | 7  | Τ                       | ]          |       | 140        | $\top$             | $\top$             | $\top$  | 1            | T  | П                   | $\dashv$      | $\neg$   |
|            | 41       |          |                 |     |              |  |              |          |           |     |   |             | 91       |  | Ι          |              |                 |          | I  |                         | ]          |       | 141        |                    |                    | T       | 1            |  | П                   | $\top$        | 7        |
|            | 42       |          |                 |     |              |  |              |          |           |     |   |             | 92       |  |            |              |                 | $\Box$   |  | $oldsymbol{\mathbb{L}}$ |            |       | 142        |                    | $\perp$            | $\perp$ | $\perp$      |  |                     |               |          |
|            | 43       |          |                 |     |              |  |              | L        |           |     |   |             | 93       |  |            |              |                 | $\Box$   | $oldsymbol{ol}}}}}}}}}}}}}}$ | $oxedsymbol{oxed}$      |            |       | 143        |                    | $oxed{\mathbb{I}}$ |         | $oxed{\Box}$ |  |                     |               |          |
| <u> </u>   | 44       | <u> </u> | Щ               |     |              |  |              | _        | Ш         |     |   |             | 94       |  |            |              |                 | $\bot$   | $\perp$  | $\perp$                 |            |       | 144        | $\bot$             | $oldsymbol{\perp}$ | $\bot$  | L            |  | П                   | $oxed{\bot}$  |          |
| L          | 45       | <u> </u> |                 |     | Щ            | _  |              | _        |           |     |   |             | 95       | $\perp \perp$                                    | $\perp$    |              | Ш               | _        |  | ↓_                      |            |       | 145        | $\perp \downarrow$ |                    |         |              |  | Ш                   | $\bot$        |          |
| <u> </u>   | 46       |          | $\dashv$        | _   | Щ            |  |              | <u> </u> | $\sqcup$  | _   |   |             | 96       | $\sqcup \bot$                                    | 4          |              | $\sqcup$        | 4        | $\perp$  | _                       |            | }     | 146        |                    |                    | ┷       | 1            | <u> </u>   | Ш                   | $\dashv$      | _        |
| <u> </u>   | 47       | -        | $\sqcup$        |     | $\sqcup$     |  | L            | <u> </u> | $\vdash$  |     |   |             | 97       | $-\!\!\!\!\!+$                                   | 4-         | <del> </del> | $\sqcup$        | _        | 4  | ↓_                      |            |       | 147        |                    | 4                  | $\bot$  | _            | <u> </u>   | Щ                   | $\dashv$      | _        |
|            | 48       |          |                 | _   | Ш            | _  | <b> </b> -   | -        | +         |     |   |             | 98       |  | +          | <del> </del> | <b>-</b>        | -        | 4-   | +-                      |            |       | 148        | _                  | _                  | $\perp$ | ـ            | L  | $\vdash \downarrow$ | 4             | _        |
| -          | 49<br>50 |          | $\dashv$        | _   | Н            | <u> </u>   | <u> </u>     |          | +         |     |   |             | 99       | -  | +          |              | $\vdash \vdash$ | +        | +-   | +                       |            |       | 149        | -                  | 4                  | $\bot$  | +-           | $\vdash$   | ${oxed{\sqcup}}$    | $\dashv$      | $\dashv$ |
| L          | 1 20     |          |                 |     | ш            |  | L            | L        |           |     |   |             | 100      |  | _L_        | 1!           | ـــــا          | ᆚ        | _L_  |                         | J:::::[    |       | 150        |                    | $\bot$             | ┸       |              | L_   | $\sqcup \bot$       | $\perp$       |          |